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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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EXAMINER

RAJAN, KAI

ART UNIT

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3736

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PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary	Application No. 10/725,273	Applicant(s) YANG ET AL.	
	Examiner Kai Rajan	Art Unit 3736	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 24 November 2003.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1 - 24 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1 - 24 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☒ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 24 November 2003 is/are: a) ☐ accepted or b) ☒ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date <u>4/26/2004</u> . | 6) <input type="checkbox"/> Other: _____ |

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DETAILED ACTION

Drawings

The drawings are objected to as failing to comply with 37 CFR 1.84(p)(5) because they include the following reference character(s) not mentioned in the description:

Item 300 of figure 2 is not represented in the specification as “data communication network,” and is labeled “relay” in the figure.

Item 220 of figures 8 and 9 is not represented in the specification. Furthermore, item number 220 is used to represent more than one item in figures 8 and 9, first as a single item, and again to represent a combination of items 221 and 220.

Corrected drawing sheets in compliance with 37 CFR 1.121(d), or amendment to the specification to add the reference character(s) in the description in compliance with 37 CFR 1.121(b) are required in reply to the Office action to avoid abandonment of the application. Any amended replacement drawing sheet should include all of the figures appearing on the immediate prior version of the sheet, even if only one figure is being amended. Each drawing sheet submitted after the filing date of an application must be labeled in the top margin as either “Replacement Sheet” or “New Sheet” pursuant to 37 CFR 1.121(d). If the changes are not accepted by the examiner, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

Specification

The abstract of the disclosure is objected to because the length exceeds 150 words.

Correction is required. See MPEP § 608.01(b).

Claim Rejections - 35 USC § 112

The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

Claims 1 – 24 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

In regards to claims 1 – 24, the terms “commercial broadcast” and “commercial information” are used throughout. These terms render the claims indefinite because one of ordinary skill in the art would not be able to ascertain what the applicant claims as the invention. There is no definition of the term “commercial” provided in the specification or throughout the claims. The examiner has assumed this is a result of translation from a foreign document. The examiner has used his best guess within the scope of the invention to interpret “commercial information” to represent patient information transmitted by the apparatus, and “commercial broadcast” to represent transmitted patient information.

In regards to claim 2, applicant discloses a sequence of steps performed by the monitoring device. The claim as presently written is unclear as to whether a method is claimed,

or whether the apparatus is further defined. The claim has been interpreted to be an apparatus, however Examiner suggests the claim be rewritten to read:

Claim 2. The bidirectional monitoring system capable of a medical diagnosis and a commercial broadcast according to claim 1, wherein

the bidirectional monitoring system further comprises a medical institution server (Column 8 lines 52 – 57), and

the monitoring device includes a connection terminal which can be connected to a health check device, whereby the monitoring device:

determines if the health check data are input from the health check device when the health check device is connected to the connection terminal;

transmits the health check data to the medical institution server in case the health check data are input;

compares the health check data with health reference data registered previously so as to output user's health result data recognizable from the health check data on the main screen or the subsidiary window in a graphical illustration;

compares the health check data with transmission limitation data registered previously so as to transmit the health check data to the main server or the medical institution server in case the health check data excess the transmission limitation data.

In regards to claim 5, the term “bidet” is disclosed in lines 3, 5, 7, and 8. This term renders the claim indefinite, since the specification and drawings describe a “toilet.” The examiner has assumed this is a result of translation from a foreign document. Applicant is

advised to change the term “bidet” to “toilet” in claim 5 and throughout the specification if the applicant’s invention is a “toilet.”

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1 – 3, 5 – 7, and 20 – 22 are rejected under 35 U.S.C. 102(b) as being anticipated by Alyfuku et al. U.S. Patent No. 5,410,471.

Claim 1. A bidirectional monitoring system capable of a medical diagnosis and a commercial broadcast, comprising:

a main server for providing commercial information, detailed commercial information in case a certain user selects the commercial information, a service page for receiving a user's request for the commercial information, and offering diagnosis result data in response to a medical diagnosis request which is received (Figure 4 item 67);

a data communication network for allowing many and unspecified persons to access the main server in an on-line manner (Figure 4 item 11); and

a monitoring device for receiving the commercial information from the main server to display them on a main screen after getting an on-line access to the main server via the data communication network, creating a subsidiary window on upper portion of one side of the main

screen to output another commercial information or display medical diagnosis request data input according to the user's handling and then transmit them to the main server, and outputting a page for outputting diagnosis result data corresponding to the medical diagnosis request data (Figure 4 item 31).

Claim 2. The bidirectional monitoring system capable of a medical diagnosis and a commercial broadcast according to claim 1, wherein

the bidirectional monitoring system further comprises a medical institution server (Column 8 lines 52 – 57), and

the monitoring device includes a connection terminal which can be connected to a health check device, whereby the monitoring device determines if the health check data are input from the health check device when the health check device is connected to the connection terminal, transmits the health check data to the medical institution server in case the health check data are input, compares the health check data with health reference data registered previously so as to output user's health result data recognizable from the health check data on the main screen or the subsidiary window in a graphical illustration, compares the health check data with transmission limitation data registered previously so as to transmit the health check data to the main server or the medical institution server in case the health check data excess the transmission limitation data (Column 19 lines 40 – 49, column 30 lines 51 – 66).

Claim 3. The bidirectional monitoring system capable of a medical diagnosis and a commercial broadcast according to claim 2, wherein the health check device includes a blood

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glucose tester, a blood pressure tester, or a clinical thermometer (Column 4 lines 18 – 23, column 8 lines 3 – 12).

Claim 5. The bidirectional monitoring system capable of a medical diagnosis and a commercial broadcast according to claim 1, wherein

the bidirectional monitoring system further comprises a bidet including a pressure sensor (Column 14 lines 63 – 65),

the bidet is connected to the monitoring system having functions of a medical diagnosis and a communication (Figure 4 item 31), and

the monitoring device is turned on by the pressure sensor in the bidet in case a user sits down on the bidet to accomplish the functions of a medical diagnosis and a communication (Column 17 lines 28 – 34, figure 20 item S131).

Claim 6. The bidirectional monitoring system capable of a medical diagnosis and a commercial broadcast according to claim 1, wherein

the bidirectional monitoring system further comprises an analysis means for collecting user's urine and analyzing the user's urinary composition (Column 16 lines 11 – 37), and

the monitoring device analyzes the user's health conditions by using the user's urinary composition input from the analysis means, outputs analysis results in a graphical illustration, compares the analysis results with transmission limitation data registered previously, and transmit the analysis results by using data of the user's terminal registered previously in case the

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analysis results excess the transmission limitation data (Column 19 lines 40 – 49, column 30 lines 51 – 66).

Claim 7. The bidirectional monitoring system capable of a medical diagnosis and a commercial broadcast according to claim 6, wherein the monitoring device comprises:

a storage unit for storing user's personal data, mobile terminal numbers corresponding to the user's personal data, and at least one of transmission limitation data and reference data for the urinary composition (Figure 5 items 73 and 74);

a control unit for outputting the urinary composition data input from the analysis means in a graphical illustration to compare them with the reference data, simultaneously outputting analysis results recognizable from the graphical illustration, and transmitting analysis result data to a corresponding mobile phone to notify it of a recipient in case the analysis result data excess the transmission limitation data (Figure 4 item 41, figure 5);

a display unit for displaying an analysis graph and the analysis results on a screen to show them to the user in response to controlling of the control unit (Figure 4 item 41); and

a transmit unit for transmitting the analysis result data to a corresponding mobile phone in response to controlling of the control unit (Figure 5 item 22).

Claim 20. The bidirectional monitoring system capable of a medical diagnosis and a commercial broadcast according to claim 6, wherein the analysis means comprises:

a urine detect sensor for sampling a small amount of user's urine to detect it (Column 16 lines 11 – 37);

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an analyzer for absorbing a small amount of the urine from the urine detect sensor and analyzing its urinary composition (Column 16 lines 11 – 37, figure 14 item 105); and

a communication interface unit for converting the urinary composition analyzed by the analyzer into urinary composition data and transmitting them to a liquid crystal display means (Column 9 lines 51 – 58, figure 19 item 38).

Claim 21. The bidirectional monitoring system capable of a medical diagnosis and a commercial broadcast according to claim 20, wherein the analysis means further comprises a urine test paper or a urine detect sensor in lower end of the analyzer in order to absorb a small amount of the user's urine (Column 16 lines 27 – 37, figure 12 item 103).

Claim 22. The bidirectional monitoring system capable of a medical diagnosis and a commercial broadcast according to claim 20, wherein the urine test paper can be replaced with new one once it is used, and the urine detect sensor can be replaced with new one after a predetermined period of usage (Column 16 lines 35 – 37).

Claims 1, 2, 4, 6 – 19, 23, and 24 are rejected under 35 U.S.C. 102(b) as being anticipated by Ito et al. U.S. Patent No. 2001/0031913.

Claim 1. A bidirectional monitoring system capable of a medical diagnosis and a commercial broadcast, comprising:

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a main server for providing commercial information, detailed commercial information in case a certain user selects the commercial information, a service page for receiving a user's request for the commercial information, and offering diagnosis result data in response to a medical diagnosis request which is received (Figure 5 item 1 health care center);

a data communication network for allowing many and unspecified persons to access the main server in an on-line manner (Figure 5 item 3 internet); and

a monitoring device for receiving the commercial information from the main server to display them on a main screen after getting an on-line access to the main server via the data communication network, creating a subsidiary window on upper portion of one side of the main screen to output another commercial information or display medical diagnosis request data input according to the user's handling and then transmit them to the main server, and outputting a page for outputting diagnosis result data corresponding to the medical diagnosis request data (Figure 5 item 22 home test device).

Claim 2. The bidirectional monitoring system capable of a medical diagnosis and a commercial broadcast according to claim 1, wherein

the bidirectional monitoring system further comprises a medical institution server (Figure 5 item 1 health care center), and

the monitoring device includes a connection terminal which can be connected to a health check device, whereby the monitoring device determines if the health check data are input from the health check device when the health check device is connected to the connection terminal, transmits the health check data to the medical institution server in case the health check data are

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input, compares the health check data with health reference data registered previously so as to output user's health result data recognizable from the health check data on the main screen or the subsidiary window in a graphical illustration, compares the health check data with transmission limitation data registered previously so as to transmit the health check data to the main server or the medical institution server in case the health check data excess the transmission limitation data (Paragraphs 0101, 0120, 0128, 0130).

Claim 4. The bidirectional monitoring system capable of a medical diagnosis and a commercial broadcast according to claim 2, wherein, in the main server, the commercial information contains link information which enables an on-line connection to a corresponding sponsor's terminal so that an ordering data corresponding to the commercial information can be input by way of an output screen of the commercial information and transmitted (Paragraphs 0053, 0056, 0063, 0151, 0178, 0179).

Claim 6. The bidirectional monitoring system capable of a medical diagnosis and a commercial broadcast according to claim 1, wherein

the bidirectional monitoring system further comprises an analysis means for collecting user's urine and analyzing the user's urinary composition (Paragraph 0025), and

the monitoring device analyzes the user's health conditions by using the user's urinary composition input from the analysis means, outputs analysis results in a graphical illustration, compares the analysis results with transmission limitation data registered previously, and transmit the analysis results by using data of the user's terminal registered previously in case the

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analysis results excess the transmission limitation data (Paragraphs 0025, 0053, 0100, 0101, 0139).

Claim 7. The bidirectional monitoring system capable of a medical diagnosis and a commercial broadcast according to claim 6, wherein the monitoring device comprises:

a storage unit for storing user's personal data, mobile terminal numbers corresponding to the user's personal data, and at least one of transmission limitation data and reference data for the urinary composition (Paragraphs 0099 – 0101);

a control unit for outputting the urinary composition data input from the analysis means in a graphical illustration to compare them with the reference data, simultaneously outputting analysis results recognizable from the graphical illustration, and transmitting analysis result data to a corresponding mobile phone to notify it of a recipient in case the analysis result data excess the transmission limitation data (Paragraphs 0099 – 0101);

a display unit for displaying an analysis graph and the analysis results on a screen to show them to the user in response to controlling of the control unit (Paragraphs 0099 – 0101);
and

a transmit unit for transmitting the analysis result data to a corresponding mobile phone in response to controlling of the control unit (Paragraph 0120).

Claim 8. The bidirectional monitoring system capable of a medical diagnosis and a commercial broadcast according to claim 7, wherein

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the monitoring device further comprises a tuner capable of receiving terrestrial broadcast signals (Paragraph 0133), and

the control unit controls the tuner according to predetermined conditions so that broadcast signals of a predetermined channel can be received and displayed on the display unit (Paragraph 0133, 0134).

Claim 9. The bidirectional monitoring system capable of a medical diagnosis and a commercial broadcast according to claim 7, wherein

the monitoring device further comprises a receive device capable of receiving cable broadcast signals (Paragraph 0133), and

the control unit controls the receive device according to predetermined conditions so that broadcast signals of a predetermined channel can be received and displayed on the display unit (Paragraph 0133, 0134).

Claim 10. The bidirectional monitoring system capable of a medical diagnosis and a commercial broadcast according to claim 8, wherein

the monitoring device further comprises a channel selection button to allow the user to select a certain channel (Paragraph 0133), and

the control unit controls the tuner or the receive device in response to the channel selection signals selected by the channel selection button (Paragraph 0133).

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Claim 11. The bidirectional monitoring system capable of a medical diagnosis and a commercial broadcast according to claim 7, wherein the control unit performs controlling in such a way that the screen on the display unit can be split into a plurality of windows and different image signals are output to the split windows (Paragraphs 0178, 0179, 0180).

Claim 12. The bidirectional monitoring system capable of a medical diagnosis and a commercial broadcast according to claim 11, wherein broadcast signals output to the split window correspond to commercial broadcast signals (Paragraphs 0178, 0179, 0180).

Claim 13. The bidirectional monitoring system capable of a medical diagnosis and a commercial broadcast according to claim 7, wherein the monitoring device further comprises a protective plate for protecting the display unit (Paragraphs 0101, 0112, figures 1, 2).

Claim 14. The bidirectional monitoring system capable of a medical diagnosis and a commercial broadcast according to claim 7, wherein

the monitoring device further comprises an attack detect sensor (Paragraphs 0072 – 0079), and

the control unit performs controlling in such a way that the an alarm sound can be output to a speaker in response to an attack detect signal from the attack detect sensor (Paragraphs 0072 – 0079).

Claim 15. The bidirectional monitoring system capable of a medical diagnosis and a commercial broadcast according to claim 6, wherein the monitoring device accumulates/stores the analysis results input from the analysis means according to respective users and then transmits them on a regular or irregular basis by using data of user's terminals registered according to users (Paragraphs 0111, 0117, 0120).

Claim 16. The bidirectional monitoring system capable of a medical diagnosis and a commercial broadcast according to claim 6, wherein the data of user's terminals registered previously in the monitoring device are stored in relation with respective user's personal data and correspond to terminal numbers for a connection to the doctor in charge (Paragraphs 0111, 0117, 0120, 0128, 0130, 0135).

Claim 17. The bidirectional monitoring system capable of a medical diagnosis and a commercial broadcast according to claim 7, wherein the transmit unit transmits the analysis results in a manner that a recipient receives them by means of a literal message (Paragraphs 0120 – 0125, 0134).

Claim 18. The bidirectional monitoring system capable of a medical diagnosis and a commercial broadcast according to claim 7, wherein the monitoring device further comprises a personal identification data input unit through which a certain user can input personal data (Paragraph 0117).

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Claim 19. The bidirectional monitoring system capable of a medical diagnosis and a commercial broadcast according to claim 18, wherein the personal identification data input unit includes at least one of a key panel, a card reader, and a fingerprint detector (Paragraphs 0117, 0133, figure 1).

Claim 23. The bidirectional monitoring system capable of a medical diagnosis and a commercial broadcast according to claim 6, wherein the analysis means comprises:

a sense unit for sensing when a user urinates and outputting a urination sense signal (Paragraphs 0025, 0051, 0111);

a control unit for controlling the whole system in such a way that the user's urine can be analyzed in response to the urination sense signal (Paragraphs 0098 – 0101);

a reservoir open/close valve for closing a reservoir in response to controlling of the control unit at an initial time of the urinary analysis to collect a predetermined amount of user's urine and opening the reservoir in response to controlling of the control unit at an end of the urinary analysis to discharge the user's urine (Figure 3);

a cleaning water supply valve for injecting cleaning water in a water tank into the inside of the reservoir where urine has been discharged in response to controlling of the control unit to wash urinary remnants out (Figure 3);

an analyzer for absorbing a small amount of the user's urine collected in the reservoir and analyzing them by using an analysis program to transmit its analysis results to the control unit (Paragraphs 0112 – 0120, 0134); and

a communication interface unit for converting urinary composition analyzed by the analyzer into urinary composition data and transmitting them to the liquid crystal display means (Paragraphs 0120, 0132, 0133, 0134).

Claim 24. The bidirectional monitoring system capable of a medical diagnosis and a commercial broadcast according to claim 9, wherein

the monitoring device further comprises a channel selection button to allow the user to select a certain channel (Paragraph 0133), and

the control unit controls the tuner or the receive device in response to the channel selection signals selected by the channel selection button (Paragraphs 0133, 0134).

Conclusion

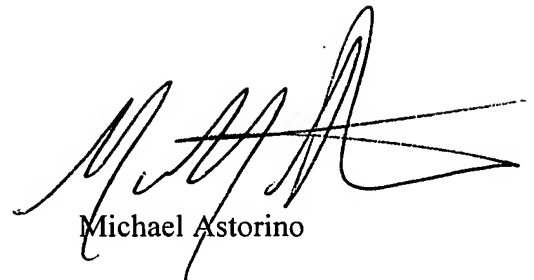
Any inquiry concerning this communication or earlier communications from the examiner should be directed to Kai Rajan whose telephone number is 571-272-3077. The examiner can normally be reached on Monday - Friday 9:00AM to 4:00PM.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would

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like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

KR
July 20, 2007



Michael Astorino